

In the Claims

Applicant has submitted a new complete claim set indicating marked up claims with insertions indicated by underlining and deletions indicated by strikeouts or double bracketing.

1. (Currently amended) A method for diagnosing ~~determining regression, progression or onset of cancer~~, comprising

contacting a biological sample isolated from a patient, who ~~has or~~ is suspected of having the cancer, with a ~~protein or peptide that binds an antibody~~, wherein the antibody selectively

~~and determining the presence or level of an antibody that binds~~ SOX1 (SEQ ID NO: 18) or ZIC2 (SEQ ID NO: 22)  
~~binds a protein or peptide encoded by a nucleic acid molecule selected from the group consisting of SOX2 (SEQ ID NO: 3), SOX1 (SEQ ID NO: 4), and ZIC2 (SEQ ID NO: 5), SOX3 (SEQ ID NO: 11), and SOX21 (SEQ ID NO: 12), and~~ OR ZIC2 (SEQ ID NO: 22) or antibodies that bind SOX1 (SEQ ID NO: 18) and ZIC2 (SEQ ID NO: 22), wherein the presence or level of said antibody or antibodies

determining the presence or level of the antibody as an indication that the subject has of  
~~regression, progression or onset of the cancer~~, wherein the cancer is small cell lung cancer.

2. (Original) The method of claim 1, wherein the sample is a body fluid, a body effusion or a tissue.

3. (Original) The method of claim 2, wherein the sample is blood or serum.

4. (Original) The method of claim 1, wherein ~~the protein or peptide that binds the antibody~~ SOX1 (SEQ ID NO: 18) or ZIC2 (SEQ ID NO: 22)  
~~is a detectable protein or peptide.~~ are detectably labeled.

5. (Original) The method of claim 4, wherein ~~the detectable protein or peptide~~ the detectably labeled SOX1 (SEQ ID NO: 18) or ZIC2 (SEQ ID NO: 22)  
is labeled with a radioactive label or an enzyme.

6. (Canceled)

- 6-7. (Original) The method of claim 1, wherein the nucleic acid molecule is SOX1 (SEQ ID NO: 4).

7-8. (Original) The method of claim 1, wherein the nucleic acid molecule is ZIC2 (SEQ ID NO:5).

9-10. (Canceled)

8-11. (Currently amended) The method of claim 1, wherein the sample is contacted with ~~a plurality of proteins or peptides that bind antibodies that selectively bind a plurality of proteins or peptides encoded by nucleic acid molecules selected from the group consisting of SOX2 (SEQ ID NO:3), SOX1 (SEQ ID NO:4), and ZIC2 (SEQ ID NO:5), SOX3 (SEQ ID NO:11), and SOX21 (SEQ ID NO:12).~~ SOX1 (SEQ ID NO:18) and ZIC2 (SEQ ID NO:22).

12-14. (Canceled)

9-15. The method of claim 1, wherein the sample is contacted with SOX1 (SEQ ID NO:18).

10-16. The method of claim 1, wherein the sample is contacted with ZIC2 (SEQ ID NO:22).